Please insert the following Abstract as a separate page after the claims.

ABSTRACT

Polyvinyl alcohol gels, particularly hydrogels, which are produced by methods and formulas and are provided with a characteristic profile that is adjustable to a large extent, e.g. outstanding mechanical properties with moduli of elasticity of 30 MPa and stiffnesses of 25 MPa at a breaking elongation of 550 percent, or full transparency in a wide range of water contents.